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September 25, 2005

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Applicant: Paul Stamets
Application No.: 10/614,906
Filed: 07/07/2003

Honorable Commissioner:

Enclosed please find a Transmittal Form, an Information Disclosure Statement and a Return Receipt Postcard.

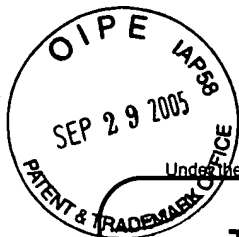
No fee is included as the Information Disclosure Statement has been filed before the mailing of a first Office action on the merits (Public PAIR).

Thank you for your assistance in this matter.

Respectfully Submitted,

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U.S.P.T.O. Reg. # 35,201
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Encl.: Transmittal Form
Information Disclosure Statement forms PTO/SB/08A and PTO/SB/08B (2 pages)
Information Disclosure Statement Compendium (4 pages)
Copies of foreign patents, abstract translations and publication (16 pages)



PTO/SB/21 (09-04)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

23

Application Number

10/614,906

Filing Date

07/07/2003

First Named Inventor

Stamets, Paul

Art Unit

1651

Examiner Name

Prats, Francisco

Attorney Docket Number

PS-LifeBox

ENCLOSURES (Check all that apply)

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/
Incomplete ApplicationReply to Missing Parts
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a
Provisional ApplicationPower of Attorney, Revocation
Change of Correspondence Address

Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

☐ Landscape Table on CD

After Allowance Communication to TC

Appeal Communication to Board
of Appeals and InterferencesAppeal Communication to TC
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify
below):

Return Receipt Postcard

Remarks

IDS includes compendium and copies of foreign patents, English translations of foreign patent abstracts and copy of publication

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

William R. Hyde P.C.

Signature

Printed name

William R. Hyde

Date

September 25, 2005

Reg. No.

35,201

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

William R. Hyde

Date

09/25/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



In re Application of: Stamets, Paul)
Application Serial No.: 10/614,906)
5 Filed: 07/07/2003)
Examiner: Prats, Francisco)
Group Art Unit: 1651)
10 Attorney Docket No.: PS-LifeBox)

INFORMATION DISCLOSURE STATEMENT—COMPENDIUM

U.S. Pat. No. 5,860,245 (1999) to Welch discloses sterilized laminated
15 mats for growing vegetation or mushrooms having a sterile base fabric, seeds
and/or spores disposed on the upper surface of the base fabric, a layer of
hydrophilic biodegradable hydrating medium secured to the base fabric with
an organic water soluble biodegradable adhesive and a cover medium. The
base fabric may be an organically coated paper membrane or wood fiber
20 sheet and the hydrating medium may be wood pulp or other fibers.

Stamets, www.fungi.com (webpage printout), December, 1999
discloses fungal spore and hyphal impregnation into fabric landscaping
cloths. Landscaping cloths are impregnated with seeds of grasses and other
plants and a fungal/mycelial component is added to the fabric.

25 U.S. Pat. No. 4,786,550 (1988) to McFarland *et al.* discloses seedbeds
of nonwoven fabrics, particularly meltform and coform materials having
incorporated therein seeds. In addition to the seeds there may also be
incorporated absorbent material such as cellulose fibers or wood fibers and

superabsorbent materials such as hydrogels or starches. The seedbeds may contain additives such as fungi spores, yeast, larvae, beneficial insect eggs, bacteria for nonchemical organic pest control, fertilizers, pesticides or herbicides.

- 5 German pat. no. DE4426851 (1996) to Hengstermann *et al.* (English abstract translation) discloses plant bales for plants propagated vegetatively from seeds in trays consisting of a binder-consolidated substrate consisting of organic materials such as peat, rice spelt and plant fibers admixed with clay minerals, perlite, nutrients and Mycorrhiza fungal spores, wherein the
- 10 substrate also contains a polysaccharide and/or a high molecular weight polymer.

- Japanese pat. no. JP10066408 (1998) to Fujiwara (English abstract translation) discloses that seeds or spores may be sown and cultivated with a coating of strained waste paper to persistently maintain water retention,
- 15 inhibition of weeds and adjustment of the supply of fertilizer.

- U.S. Pat. No. 6,156,699 (2000) to Johnson *et al.* discloses a process for producing coated, singulated seeds. The process comprises 1) coating seeds with a wet composition of a particulate solid and a binder to produce a wet mixture comprising solid, binder and seeds; 2) contacting the mixture with a
- 20 singulating substance to produce individually separated seeds; 3) drying; and optionally 4) coating the seed with a mixture comprising a binder. After the third step, the process may further comprise treating the seed with a

biological material and/or a phytoprotection product. The biological material may include bacteria or fungi. This process produces seeds coated with a first layer of binder and particulate solid, a second layer of a singulating substance, a third layer of a biological material such as bacteria or fungi and/or a phytoprotection product and a fourth layer which contains a binder.

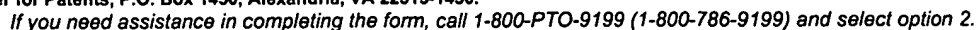
U.S. Pat. No. 5,017,374 to Humphrey (1991) discloses seed dressing material for application to seeds comprising fungal spores, preferably of the family Coprinus, preferably *Coprinus comatus* (shaggy-mane mushroom) or *Coprinus micaceus*, and GTF chromium or yeast or combinations thereof. The aforementioned items are thought to increase the number and activity of the appropriate mycorrhizal fungi in the soil with respect to crop growth rate.

German pat no. DE19612649 (1997) to Thatje (English abstract translation) discloses inoculating grasses or cereal crops with *Marasimus oreades* fungi, resulting in a mycorrhizalisation process that improves crops yield and reduces the amount of artificial fertilizer used. Spores or mycelia may be added to the soil. Dried mycelia may be mixed with the seeds or used as an inoculum.

U.S. Pat. No. 6,351,911 (2002) to Behrens discloses vegetation supports comprising a mat of entangled organic fibers, a plant-compatible binding agent and a plant material able to germinate, especially seeds,

spores or sprouts. Also disclosed are mats made of wood-wool fibers.

U.S. Pat. No. 4,722,159 (1988) to Watanabe *et al.* discloses cultivation of mushrooms in a culture medium comprising a fungal bed and a covering soil having laid therebetween a water-absorbing sheet composed of a porous
5 substrate and a water-absorbing polymeric sheet having both a water-retention capability and air-permeability. The porous substrate may be fibrous materials such as paper, fabrics and felt.



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